

Nuclear Facility Deactivation and Decommissioning (D&D), Remainder of Hanford and River Corridor Closure Project

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233-SA filter building being demolished



OVERVIEW

This section addresses Project Baseline Summary (PBS) RL-0040, *Nuclear Facility D&D, Remainder of Hanford*. There are three major components to this work scope:

- Deactivation and Decommissioning (M. B. Lackey);
- Reliability Projects (M. B. Lackey); and
- Waste Site Remediation (R. T. Wilde).

This section includes PBS RL-0041, *Nuclear Facility D&D, River Corridor Closure Project*, until this work scope transitions to the new River Corridor Contractor.

NOTE: Unless otherwise noted, all information contained herein is as of the end of October 2003.

NOTABLE ACCOMPLISHMENTS

Deactivation and Decommissioning



Open air demolition of the 233-S Plutonium Concentration Facility was initiated on October 21, 2003. A support trailer facility was demolished as a mockup to test equipment and systems. Following incorporation of lessons learned from the mockup, demolition of the complex began on October 29, 2003. The 233-SA filter building, a 400 square foot single-story concrete structure, was demolished on November 5, 2003, and the debris was removed from the Site without spread of contamination beyond the original structure's footprint. Demolition of the main structure began on November 6, 2003, and is continuing from areas of lower contamination to areas of higher contamination. As of November 17, 2003, five of ten rooms on the main structure have been demolished.



RL and regulator comments were received and incorporated, and the 224-B Engineering Evaluation/Cost Analysis was submitted to RL on November 6, 2003.

Reliability Projects

Project L-298, Road Refurbishment: This project was to pave three sections of Hanford's primary roads, two of which were completed July 28, 2003. Construction on the third section, Route 11A from Route 4N to Canton Avenue, was completed as planned, on October 23, 2003.



NOTABLE ACCOMPLISHMENTS, CONTINUED



Project L-386, Hot Semi Works Raw Water Isolation: This project designed and constructed a water system modification that eliminated a deteriorated section of water line in the 200 East Area. This modification eliminated a significant environmental concern and also greatly improved the water quality and flow in the area. Construction field activities began on August 12, 2003, and the final tie-in and last valve was installed the week of October 13, 2003, which completed the last of the construction activities.

Project L-324, Export Water Lines Replacement, Preliminary Engineering: This project includes aerial thermal imaging photography, ground-truthing to confirm suspected leak locations and to determine the condition and life expectancy of the export waterlines system, and the investigation of new technologies to refurbish damaged underground water lines in place.

The thermal imaging fly-over of the export water system was conducted on October 21, 2003. The fly-over went as planned, lasting nearly 90 minutes. The plane returned to the Pasco Airport, where Hanford Security reviewed the tape and released it to the contractor for their off-site evaluation. The draft report is scheduled to be received by December 4, 2003. Preliminary results indicate that no significant thermal disturbances were identified. However, several areas are being investigated further that showed evidence of above-average vegetation growth. These areas will be documented in the final report and may require additional attention during the ground-truthing activities that are planned over the next month.

Waste Site Remediation

The drilling contract for two boreholes in the BC Cribs and Trenches Area at 216-B-58 and 216-B-26 was awarded on October 2, 2003.

Field probe activities in the BC Crib area at the 219-B-58 trench were initiated on October 21, 2003.

Drilling at the 216-Z-9 Crib commenced on October 7, 2003, several months late due to the delay in the availability of the drilling enclosure and impacts associated with the Washington State Department of Ecology Administrative Order.

The implementation of the Basis for Interim Operations at the 618-10/11 Burial Grounds was completed in mid-October.

On October 23, 2003, the Washington State Department of Ecology and the U.S. Environmental Protection Agency provided final approval of the Federal Facility Agreement and Consent Order Change Control Form to modify the completion date for Tri-Party Agreement Major Milestone M-013-00N, "Submit 1 200 NPL/RI/FS (RFI/CMS) Work Plan for the 200-UR-1, Unplanned Releases Operable Unit" from December 31, 2003, to June 30, 2004.

FY 2004 FH FUNDS VS ACTUAL (\$000)

	FY 2004 Anticipated Funding	FY 2004 Fiscal Year Spend Forecast	Variance
RL-0040 Nuclear Facility D&D, Remainder of Hanford	\$ 88,923	\$ 90,474	\$ -1,551
RL-0041 Nuclear Facility D&D, River Corridor Closure	\$ 4,491	\$ 3,377	\$ 1,114
Total	\$ 93,414	\$ 93,851	\$ -437

A Baseline Change Request is currently at RL which extends the RL-0041, River Corridor Contract work scope, through December 21, 2003.

FY 2004 SCHEDULE/COST PERFORMANCE (\$000)

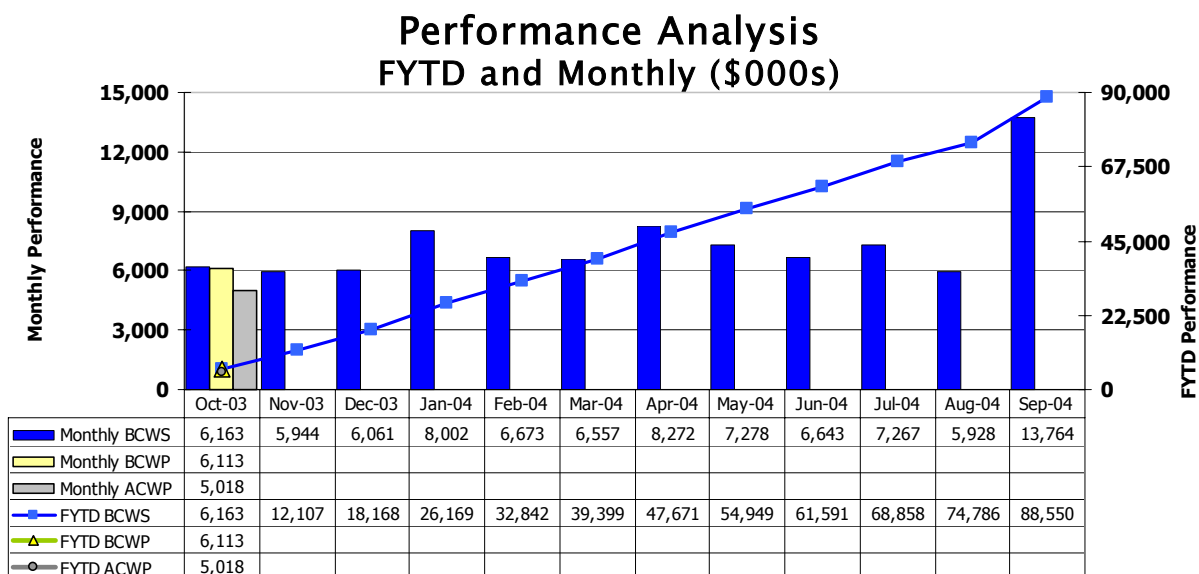
	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
RL-0040 Nuclear Facility D&D, Remainder of Hanford	5,285	5,196	4,301	-89	-2%	895	17%	87,420
RL-0041 Nuclear Facility D&D, River Corridor Closure	877	917	717	39	4%	200	22%	1,130
Total	6,163	6,113	5,018	-50	-1%	1,095	18%	88,550

NOTE: Numbers are rounded to the nearest \$K.

Schedule Performance (\$-50K/-1%): The unfavorable variance is within established thresholds.

Cost Performance (\$1,095K/18%): The favorable variances are primarily due to errors in the accruals associated with 233-S demolition and transportation upgrades. In addition, the surveillance and maintenance activities (200 Area and 300 Area) are being accomplished with less labor charging than estimated.

FY 2004 SCHEDULE/COST PERFORMANCE, CONTINUED



MILESTONE ACHIEVEMENT

MSN	Title	Type	Due Date	Actual Date	Forecast Date	Status Comments
TRP-03-224 M-013-00N	Submit 1 200 NPL RI/FS (RFI/CMS) Work Plan	HQ	06/30/04			On schedule
TRP-03-227 M-015-41C	Submit 200-TW-1 & 200-TW-2 OU FS/Proposed Plan to EPA & Ecology	HQ	03/31/04			On schedule
TRP-03-230 M-015-39B	Submit 200-CS-1 Chemical Sewer Group RI Report	HQ	05/31/04			On schedule
TRP-03-233 M-015-43B	Submit 200-PW-2 OU RI Report Including Past Practice Waste Sites	HQ	06/30/04			On schedule
TRP-03-309	233-S (PuConcentration Facility) and the 233-SA (Exhaust Filter Building) demolished to slab on grade.	RL	6/30/04		1/15/04	Ahead of schedule
TRP-03-501 M-092-11-T01	Complete Disposition Options for Hanford Site Nonradioactive NA	RL	09/28/04			On schedule
TRP-03-236 M-016-66	Initiate Interm. Des.& Auth for RA at 618-10&11	HQ	09/30/04			On schedule
TRP-04-901 M-92-15	Complete Removal and Transfer, and Initiate Storage of Phase II 300 Area SCW and Materials	EA	9/30/04	9/19/01		Completed ahead of schedule
TRP-03-242 M-015-40C	Submit 200-CW-5 U Pond/Z Ditches Cooling Water Group FS & Submit	HQ	10/31/04			On schedule
TRP-03-139 M-013-00O	Submit 1 200 NPL RI/FS (RFI/CMS) Work Plan	HQ	12/31/04			On schedule
TRP-03-260 M-015-46A	200 Areaa Chemical Lab Waste OUs Remedial investigation Report.	HQ	10/31/05			On schedule
TRP-03-245 M-015-39C	Submit 200-CS-1 Chemical Sewer Group FS and Submit PP/Proposed	HQ	11/30/05			On schedule
TRP-03-248 M-020-39	Submit 216 S-10 Pond and Ditch Closure Plan to Ecology	HQ	11/30/05			On schedule
TRP-03-254 M-015-43C	Submit 200-PW-2 OU FS & Proposed Plan/Proposed RCRA Permit Mod	HQ	12/31/05			On schedule
TRP-03-257 M-020-33	Submit Closure/Post Closure Plans for 216-A-10 Crib, Etc.	HQ	12/31/05			On schedule
TRP-03-263 M-015-44A	200-MW-1 OU Remedial Investigation Report	HQ	12/31/05			On schedule
TRP-03-266 M-015-46B	200 Area Chemical Laboratory Waste OUs Feasibility Study	HQ	09/30/06			On schedule
TRP-03-272	Remediate BC Crib, Trenches, and Control Area	RL	09/30/06			On schedule
TRP-03-303	U Plant Regional Closure (ancillary facilities, excluding U Plant Canyon)	RL	9/30/06			On schedule -
TRP-03-312	224-B (Concentration Facility) demolished to slab on grade.	RL	9/30/06			On schedule - Potential GFS impacts
TRP-03-315	224-T (Transuranic Storage & Assay Facility) demolished to slab on grade.	RL	9/30/06			On schedule - Potential GFS impacts